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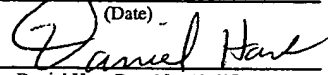
PATENT

Case Docket No. ELITRA.006A  
Date: August 21, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Judith W. Zyskind  
Appl. No. : 09/630,931  
Filed : August 2, 2000  
For : CHITOBIASE AS A  
REPORTER ENZYME  
Examiner : Unknown  
Group Art Unit : 1652

I hereby certify that this correspondence and all  
marked attachments are being deposited with the  
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for Patents, Washington, D.C. 20231, on

August 21, 2001  
(Date)  
  
Daniel Hart, Reg. No. 40,637

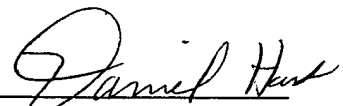
TRANSMITTAL LETTER

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231  
ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) A Supplemental Information Disclosure Statement.
- (X) A PTO Form 1449 with sixty (60) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

  
Daniel Hart  
Registration No. 40,637  
Attorney of Record

**UTILITY/DESIGN PATENT**

(miscellaneous)

Rec'd in the U.S.P.T.O. on the date stamped hereon via Certificate of Mail:

Atty. Dkt. # ELTRA.006A A/N: 09/630,931 Filed: 8/2/00

Pat. # \_\_\_\_\_ Issued: \_\_\_\_\_ Atty: DOH

Exr: Unknown Art Unit: 1652 Batch: \_\_\_\_\_ Re-Exam # \_\_\_\_\_

Title: Chitinase as a... Applicant: Judith W. Zyskind

VERIFIED BY: Asst: DMB Quality Control: \_\_\_\_\_

- ☒ Transmittal Sheet
- ☒ Supplemental Information Disclosure Statement;
- ☐ PTO-1449 w/60 Refs.
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
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☒ Return Postcard

ELITRA.006A



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Judith W. Zyskind ) Group Art Unit 1652  
App. No. : 09/630,931 )  
Filed : August 2, 2000 )  
For : CHITOBIASE AS A )  
REPORTER ENZYME )  
Examiner : Unknown )

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing sixty (60) references that are also enclosed. This Supplemental Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: August 21, 2001

By: Daniel Hart  
Daniel Hart  
Registration No. 40,637  
Attorney of Record  
620 Newport Center Drive  
Sixteenth Floor  
Newport Beach, CA 92660  
(619) 235-8550

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>SUPPLEMENTAL          INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. ELITRA.006A	APPLICATION NO. 09/630,931
	APPLICANT Judith W. Zyskind	
	FILING DATE August 2, 2000	GROUP 1652

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	4,259,442	03/31/81	Gayral			
	2	5,587,292	12/24/96	Laine, et al.			
	3	5,602,020	02/11/97	Laine, et al.			
	4	5,693,519	12/02/97	Laine, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	5	EP 0 174 477 A1	03/19/86	EPO				
	6	WO 98/02742	01/22/98	PCT				
	7	WO 98/49320	11/05/98	PCT				
	8	WO 99/14311	03/25/99	PCT				

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

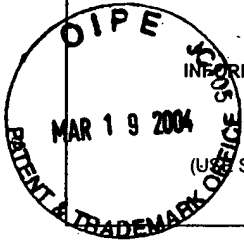
EXAMINER INITIAL		
	9	Altschul, et al., <i>J. Mol. Biol.</i> , 215:403-410, 1990, "Basic Local Alignment Search Tool."
	10	Ball, et al., <i>Journal of Bacteriology</i> , 174(24):8043-8056, 1992, "Dramatic Changes in Fis Levels upon Nutrient Upshift in <i>Escherichia coli</i> ."
	11	Bernstein, H. D., <i>Current Opinion in Microbiology</i> , 3:203-209, 2000, "The Biogenesis and Assembly of Bacterial Membrane Proteins."
	12	Biswas, et al., <i>Biochemistry</i> , 38:10919-10928, 1999, "Mechanism of DnaB Helicase of <i>Escherichia coli</i> : Structural Domains Involved in ATP Hydrolysis, DNA Binding, and Oligomerization."
	13	Bootsma, et al., <i>J. Bacteriol.</i> , 181(16):5090-5093, 1999, " <i>Moraxella (Branhamella) catarrhalis</i> BRO $\beta$ -Lactamase: A Lipoprotein of Gram-Positive Origin?"
	14	Braun, et al., <i>Cell</i> , 40:159-169, 1985, "Autoregulation of the DNA Replication Gene <i>dnaA</i> in <i>E. coli</i> K-12."
	15	Bunn, et al., <i>FEMS Microbiol. Lett.</i> , 165:123-127, 1998, "Wall-associated Processing of Extracellular Enzymes of <i>Staphylococcus Simulans</i> Biovar <i>Staphylyticus</i> ."
	16	Cámara, et al., <i>Infection and Immunity</i> , 62(9):3688-3695, 1994, "A Neuraminidase from <i>Streptococcus pneumoniae</i> Has the Features of a Surface Protein."
	17	Chamberlain, et al., <i>J. Med. Microbiol.</i> , 44(2):125-129, 1996, "Genetic Regulation of Fatty Acid Modifying Enzyme from <i>Staphylococcus aureus</i> ."
	18	Chmouryguina, et al., <i>Infection and Immunity</i> , 64(7):2387-2390, 1996, "Conservation of the C5a Peptidase Genes in Group A and B Streptococci."
	19	Churchill, et al., <i>Nucleic Acids Research</i> , 18(3):589-597, 1989, "The Distribution of Restriction Enzyme Sites in <i>Escherichia coli</i> ."
	20	Clarke, et al., <i>Journal of Biological Chemistry</i> , 270(15):8805-8814, 1995, "Cloning and Expression of the $\beta$ -N-Acetylglucosaminidase Gene from <i>Streptococcus pneumoniae</i> ."
	21	Cohen-Kupiec, et al., <i>Curr. Opin. Biotechnol.</i> , 9(3):270-277, 1998, "The Molecular Biology of Chitin Digestion."

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ELITRA.006AAPPLICATION NO.  
09/630,931SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)


APPLICANT  
Judith W. ZyskindFILING DATE  
August 2, 2000GROUP  
1652

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	22	Daugherty, et al., <i>Protein Engineering</i> , 12(7):613-621, 1999, "Development of an Optimized Expression System for the Screening of Antibody Libraries Displayed on the <i>Escherichia coli</i> surface."
	23	Dekker, N., <i>Molecular Microbiology</i> , 35(4):711-717, 2000, "Outer-membrane Phospholipase A: Known Structure, Unknown Biological Function."
	24	den Hollander, et al., <i>Antimicrobial Agents and Chemotherapy</i> , 41(1):95-100, 1997, "Synergism between Tobramycin and Ceftazidime against a Resistant <i>Pseudomonas aeruginosa</i> Strain, Tested in an In Vitro Pharmacokinetic Model."
	25	Diederich, et al., <i>BioTechniques</i> , 16(5):916-923, 1994, "A Versatile Plasmid Vector System for the Regulated Expression of Genes in <i>Escherichia coli</i> ."
	26	Doern, et al., <i>Antimicrobial Agents and Chemotherapy</i> , 32(12):1747-1753, 1988, "Antimicrobial Susceptibility Testing of <i>Haemophilus influenzae</i> , <i>Branhamella catarrhalis</i> , and <i>Neisseria gonorrhoeae</i> ."
	27	Fricke, et al., <i>Biochimica et Biophysica Acta</i> , 1454:236-250, 1999, "Characterization and Purification of an Outer Membrane Metalloproteinase from <i>Pseudomonas aeruginosa</i> with Fibrinogenolytic Activity."
	28	Giraud, et al., <i>Can. J. Microbiol.</i> , 40:677-681, 1994, "Characterization of a Tn551-mutant of <i>Staphylococcus aureus</i> Defective in the Production of Several Exoproteins."
	29	Götz, et al., <i>Chemistry and Physics of Lipids</i> , 93:15-25, 1998, "Staphylococcal Lipases: Molecular Characterisation, Secretion, and Processing."
	30	Groicher, et al., <i>Journal of Bacteriology</i> , 182(7):1794-1801, 2000, "The <i>Staphylococcus aureus</i> <i>lrgAB</i> Operon Modulates Murein Hydrolase Activity and Penicillin Tolerance."
	31	Gutmann, et al., <i>Antimicrobial Agents and Chemotherapy</i> , 30(6):906-912, 1986, "Involvement of Penicillin-Binding Protein 2 with Other Penicillin-Binding Proteins in Lysis of <i>Escherichia coli</i> by Some $\beta$ -Lactam Antibiotics Alone and in Synergistic Lytic Effect of Amdinocillin (Mecillinam)."
	32	Hansen, et al., <i>Nucleic Acids Research</i> , 10(22):7373-7385, 1982, "The Nucleotide Sequence of the <i>dnaA</i> Gene and the First Part of the <i>dnaN</i> Gene of <i>Escherichia coli</i> K-12."
	33	Hiasa, et al., <i>Journal of Biological Chemistry</i> , 274(38):27244-27248, 1999, "Initiation of Bidirectional Replication at the Chromosomal Origin is Directed by the Interaction between Helicase and Primase."
	34	Igarashi, et al., <i>Microbiol. Immunol.</i> , 36(6):643-647, 1992, "Characterization of an Exo- $\beta$ -D-Fructosidase from <i>Streptococcus mutans</i> Ingbritt."
	35	Igarashi, et al., <i>Microbiol. Immunol.</i> , 36(9):969-976, 1992, "Characterization of the Dextranase Purified from <i>Streptococcus mutans</i> Ingbritt."
	36	Mazmanian, et al., <i>Science</i> , 285:760-763, 1999, " <i>Staphylococcus aureus</i> Sortase, an Enzyme that Anchors Surface Proteins to the Cell Wall."
	37	Navarre, et al., <i>Microbiology and Molecular Biology Reviews</i> , 63(1):174-229, 1999, "Surface Proteins of Gram-Positive Bacteria and Mechanisms of Their Targeting to the Cell Wall Envelope."
	38	Olsson-Liljequist, et al., <i>Scand. J. Infect. Dis. Suppl.</i> , 105:13-23, 1997, "Antimicrobial Susceptibility Testing in Sweden: III. Methodology for Susceptibility Testing."
	39	Oshida, et al., <i>Proc. Natl. Acad. Sci. USA</i> , 92:285-289, 1995, "A <i>Staphylococcus aureus</i> Autolysin that has an N-acetylmuramoyl-L-alanine Amidase Domain and an Endo- $\beta$ -N-acetylglucosaminidase Domain: Cloning, Sequence Analysis, and Characterization."
	40	Piruzian, et al., <i>Molecular &amp; General Genetics</i> , 257(5):561-567, 1998, "The Use of a Thermostable Beta-glucanase Gene from <i>Clostridium Thermocellum</i> as a Reporter Gene in Plants." Database Biosis Online! Biosciences Information Service, Abstract, XP002171323.
	41	Reilly, et al., <i>Journal of Bacteriology</i> , 181(21):6797-6805, 1999, "Outer Membrane Lipoprotein e (P4) of <i>Haemophilus influenzae</i> Is a Novel Phosphomonoesterase."
	42	Reilly, et al., <i>Protein Expression and Purification</i> , 17:401-409, 1999, "Purification and Characterization of a Recombinant <i>Haemophilus influenzae</i> Outer Membrane Phosphomonoesterase e (P4)."
	43	San Martin, et al., <i>Structure</i> , 6(4):501-509, 1998, "Three-dimensional Reconstructions from Cryoelectron Microscopy Images Reveal an Intimate Complex Between Helicase DnaB and Its Loading Partner DnaC."
	44	Schalk, et al., <i>Biochemistry</i> , 38:9357-9365, 1999, "Copurification of the FpvA Ferric Pyoverdine Receptor of <i>Pseudomonas aeruginosa</i> with Its Iron-Free Ligand: Implications for Siderophore-Mediated Iron Transport."
	45	Shipman, et al., <i>Journal of Bacteriology</i> , 181(23):7208-7211, 1999, "Physiological Characterization of SusG, an Outer Membrane Protein Essential for Starch Utilization by <i>Bacteriodes thetaiotaomicron</i> ."
	46	Siezen, R. J., <i>Antonie van Leeuwenhoek</i> , 76:139-155, 1999, "Multi-domain, Cell-envelope Proteinases of Lactic Acid Bacteria."
	47	Sivaprasadarao, et al., <i>Biochem. J.</i> , 296:209-215, 1993, "Expression of Functional Human Retinol-binding Protein in <i>Escherichia coli</i> Using a Secretion Vector."

EXAMINER

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\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.


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 PATENT & TRADEMARK OFFICE

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**UTILITY/DESIGN PATENT**

Date: 8/21/01

(miscellaneous)

Date of O.A.: \_\_\_\_\_

Rec'd in the U.S.P.T.O. on the date stamped hereon via Certificate of Mail:

Atty. Dkt. # ELTRA.006A A/N: 09/630,931 Filed: 8/2/00

Pat. # \_\_\_\_\_ Issued: \_\_\_\_\_ Atty: DOH

Exr: Unknown Art Unit: 1652 Batch: \_\_\_\_\_ Re-Exam # \_\_\_\_\_

Title: Chitobiase as a... Applicant: Judith W. Zyskind

VERIFIED BY: Asst: DmB Quality Control: CAW

☒ Transmittal Sheet

☒ Supplemental Information Disclosure Statement;

☐ PTO-1449 w/60 REC

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